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NEW SOUTH WALES

# STATISTICAL REGISTER

## MINING

### 1965



R. G. WALKER

DEPUTY COMMONWEALTH STATISTICIAN

AND

GOVERNMENT STATISTICIAN OF NEW SOUTH WALES

#### **ROUNDING OF FIGURES**

Where figures in this publication have been rounded, any discrepancies between the totals shown and the sums of the component items are due to rounding.

#### **DECIMAL CURRENCY**

In the Australian decimal currency system, which was introduced on 14th February, 1966, the monetary unit is the dollar (\$), divided into 100 cents. Two dollars are equal in value to £1, the monetary unit in the former currency system. All values in this publication have been converted to the equivalent amounts in decimal currency.



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**MINING**

**1965**

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## PREFACE

This issue of the *Mining Part of the Statistical Register of New South Wales* contains statistics for 1965 and earlier years.

The statistics given in this publication should be read in conjunction with the *Official Year Book of New South Wales*. For the most recent statistics, the reader should refer to other publications of the Bureau, particularly the *Statistical Bulletin* and the *Monthly Summary of Business Statistics*.

My thanks are tendered to the responsible officers of the various State and Commonwealth authorities and to others who have supplied information, often at considerable trouble.

R. G. Walker  
Deputy Commonwealth Statistician  
and  
Government Statistician of New South Wales

Bureau of Census and Statistics,  
Sydney.

6th February, 1967.

# MINING

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## MINING STATISTICS

### EXPLANATORY NOTES

1. For statistical purposes, the mining industries are defined to cover not only the actual mining or quarrying operations, but also crushing and ore dressing operations carried out in treatment works situated at or near a mine or quarry. The screening and washing of coal are included in mining activity when undertaken at a mine or at plants centrally situated to serve a number of mines in the locality. However, the refining of metals and the processing of raw materials (in the manufacture of such products as coke, bricks, and portland cement) are classified as factory activity, whether or not the works are situated in the locality of the mine or quarry.
  2. In accordance with this definition, the minerals produced are recorded in the form in which they are despatched from the working. For example, a metallic mineral is recorded as an ore if untreated before despatch, and as a concentrate if ore dressing operations are undertaken at or about the mine.
  3. The minerals are classified into four major groups:—
    - metallic minerals;
    - fuel minerals;
    - non-metallic minerals; and
    - construction materials.
  4. In Tables 1 to 6, each mine or quarry has been classified to an industry in accordance with its principal product, and all employment, products, and other particulars of the mine or quarry have been attributed to that industry. The value of output shown in these Tables for a particular industry or group of industries is therefore the value of all the products of the mines and quarries classified to that industry or group.
  5. Revised methods of preparing statistics were adopted in 1950 for all mining industries except the coal mining industry, in accordance with a plan for the preparation of mining statistics on a uniform basis in all Australian States and Territories. Statistics relating to employment and the quantity and value of mineral products are available on the new basis only from 1950, and those relating to wages, value of plant, materials used, etc., are available only from 1952. These statistics are not comparable with those previously published for earlier years.
  6. Oil search operations are not regarded as a mining activity.
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## No. 1. Summary of Mining Operations\*, 1959 to 1965

Year	No. of Mines Worked	Average Number of Persons Employed †	Salaries and Wages Paid ‡	Fixed Assets of Mines		Materials and Fuel Used	Explosives Sold to Employees	Value of Output
				Additions and Replacements During Year	Value at End of Year §			
\$ thous.      \$ thous.      \$ thous.      \$ thous.      \$ thous.      \$ thous.								
Silver-Lead-Zinc Mining								
1959	13	5,607	16,738.1	1,765.7	28,983.2	10,515.4	249.2	41,893.3
1960	15	5,357	17,219.3	1,849.5	38,010.9	11,138.6	240.3	43,858.5
1961	14	5,186	16,759.3	2,060.5	38,133.9	10,531.3	208.3	35,413.0
1962	11	4,826	14,810.0	1,842.4	38,348.7	8,798.7	188.1	35,109.9
1963	9	4,350	15,017.6	1,121.3	37,664.4	9,027.5	183.6	54,486.8
1964	13	4,391	17,576.7	1,874.0	37,670.3	9,691.4	181.3	87,990.4
1965	13	4,630	21,166.5	3,209.2	38,815.0	10,854.7	208.8	98,060.7
Other Metallic Mining								
1959	153	991	1,686.4	823.0	3,938.7	1,388.3	5.3	5,991.7
1960	174	1,040	1,892.6	739.3	3,921.9	1,924.5	0.9	6,176.7
1961	173	1,081	2,060.0	1,225.8	4,042.6	2,094.2	...	6,826.4
1962	152	1,322	2,616.7	5,347.4	9,314.1	2,082.5	...	7,037.5
1963	131	1,510	3,674.3	6,122.2	13,762.0	2,935.6	...	11,855.1
1964	123	1,713	4,427.1	8,411.6	21,025.0	2,994.2	32.4	13,812.6
1965	109	1,893	5,294.5	6,953.2	24,530.1	3,777.6	18.8	20,906.1
Total, Metallic Mining								
1959	166	6,598	18,424.5	2,588.7	32,921.9	11,903.7	254.5	47,885.0
1960	189	6,397	19,111.9	2,588.8	41,932.9	13,063.1	241.2	50,035.2
1961	187	6,267	18,819.3	3,286.3	42,176.5	12,625.6	208.3	42,239.4
1962	163	6,148	17,426.7	7,189.7	47,662.8	10,881.2	188.1	42,147.4
1963	140	5,860	18,691.9	7,243.5	51,426.4	11,963.1	183.6	66,341.9
1964	136	6,104	22,003.7	10,285.6	58,695.3	12,685.6	213.7	101,803.0
1965	122	6,523	26,461.0	10,162.4	63,345.1	14,632.3	227.6	118,966.8
Coal Mining								
1959	115	13,445	34,503.2	13,219.4	60,928.4	15,918.7	60.8	74,873.3
1960	114	13,279	38,500.6	18,507.0	65,411.5	18,068.4	53.8	85,353.9
1961	107	12,512	38,806.5	17,692.2	83,616.4§	20,621.0	36.4	90,224.8
1962	100	11,998	37,611.7	18,422.0	86,762.6	22,088.6	30.0	94,067.7▲
1963	94	11,534	37,208.8	15,164.9	85,541.6	21,845.0	26.6	90,837.8
1964	94	11,367	39,735.2	13,564.9	83,774.1	22,832.7	21.2	97,251.7
1965	91	11,678	43,735.4	21,639.9	86,217.5	25,360.5	20.7	112,103.3
Non-metallic Mining (Excluding Clays)								
1959	119	667	1,175.1	393.0	2,700.4	959.8	0.9	3,602.9
1960	123	664	1,269.5	272.0	2,509.4	981.7	...	3,736.0
1961	170	810	1,516.6	960.5	2,848.9	1,055.8	...	4,520.3
1962	175	813	1,411.4	233.4	2,734.5	1,009.8	...	4,250.6
1963	230	835	1,434.2	413.5	2,668.1	1,049.8	...	4,530.0
1964	245	819	1,588.6	240.7	2,474.4	1,071.8	...	4,762.5
1965	308	993	1,586.5	328.0	2,294.8	1,242.1	...	5,188.5
Total *								
1959	400	20,710	54,102.8	16,201.1	96,550.7	28,782.3	316.3	126,361.2
1960	426	20,340	58,882.1	21,367.8	109,853.8	32,113.3	295.0	139,125.1
1961	464	19,589	59,142.3	21,939.1	128,641.9§	34,302.4	244.7	136,984.5
1962	438	18,959	56,449.9	25,845.1	137,160.0	33,979.6	218.1	140,465.6▲
1963	464	18,229	57,334.9	22,821.9	139,636.1	34,857.9	210.2	161,709.7
1964	475	18,290	63,327.6	24,091.2	144,943.7	36,590.1	234.9	203,817.2
1965	521	19,194	71,782.9	32,130.3	151,857.4	41,234.9	248.3	236,258.6

\* Excludes clay pits and quarries winning construction materials, which, in 1965, had an average employment of 388 and 2,122, respectively, and a value of output of \$3,040,900 and \$28,372,300, respectively.

† For coal mining, average during whole year; for other mining, average during period of operation. Includes working proprietors, but excludes fossickers.

‡ Before deducting the value of explosives sold to employees; excludes drawings by working proprietors.

§ Depreciated book values. Figures for 1961 were affected by a substantial revaluation of assets at certain coal mines.

▲ Not strictly comparable with earlier years because of a revised method of valuation at certain coal mines (which increased values for 1962 by approximately \$4,000,000).

## No. 2. Value of Materials and Fuel Used in Mines\*, 1959 to 1965

Year and Class of Mining	Fuel and Power Used					Stores and Materials Used			
	Coal	Oil and Petrol	Electricity	Other	Total Fuel and Power	Mining Timber	Explosives †	Other	Total Stores and Materials
	\$ thous.	\$ thous.	\$ thous.	\$ thous.	\$ thous.	\$ thous.	\$ thous.	\$ thous.	\$ thous.
1959	371.2	430.9	5,957.3	523.6	7,283.0	4,248.9	1,920.0	15,330.4	21,499.3
1960	323.0	461.4	6,407.7	514.1	7,706.2	4,704.1	1,852.5	17,850.5	24,407.1
1961	295.6	569.8	6,574.6	448.0	7,888.0	4,482.0	1,745.7	20,186.6	26,414.4
1962	244.7	510.7	6,839.7	424.8	8,019.9	4,650.7	1,537.0	19,772.0	25,959.7
1963	211.1	613.9	7,301.9	444.8	8,571.7	4,550.6	1,394.3	20,341.3	26,286.3
1964	159.6	540.6	7,665.8	401.1	8,767.1	4,535.9	1,249.2	22,037.8	27,823.0
1965—									
Silver-Lead-Zinc	...	54.3	1,877.6	406.9	2,338.8	2,300.9	198.7	6,016.3	8,515.9
Other Metallic	12.2	318.1	1,331.2	10.8	1,672.3	7.1	26.7	2,071.5	2,105.3
Coal	75.1	165.2	4,679.6	0.3	4,920.2	2,807.4	960.9	16,672.0	20,440.3
Non-metallic	11.0	108.6	110.5	1.3	231.4	1.0	145.2	864.4	1,010.7
Total	98.3	646.2	7,998.9	419.3	9,162.7	5,116.4	1,331.5	25,624.2	32,072.2

\* See note \*, Table 1.

† Excludes value of explosives sold to employees. See Table 1.

No. 3. Fixed Assets of Mines\*, 1960 to 1965

Year	Additions and Replacements During the Year				Value at End of Year †			
	Land and Buildings	Machinery and Plant	Mine Development	Total	Land and Buildings	Machinery and Plant	Mine Development	Total
	\$ thous.	\$ thous.	\$ thous.	\$ thous.	\$ thous.	\$ thous.	\$ thous.	\$ thous.
Silver-Lead-Zinc Mining								
1960	176.3	971.3	701.9	1,849.5	3,358.8	9,440.1	25,212.0	38,010.9
1961	105.3	1,267.5	687.6	2,060.5	3,096.2	9,131.8	25,905.9	38,133.9
1962	57.5	1,375.4	409.5	1,842.4	2,903.3	9,134.6	26,310.7	38,348.7
1963	120.0	1,001.0	0.3	1,121.3	2,718.2	8,766.2	26,180.0	37,664.4
1964	306.3	1,561.5	6.2	1,874.0	2,822.8	8,887.3	25,960.2	37,670.3
1965	700.1	2,470.0	39.1	3,209.2	3,277.5	9,704.1	25,833.4	38,815.0
Other Metallic Mining								
1960	38.9	640.5	59.8	739.3	485.2	3,084.8	351.9	3,921.9
1961	80.9	1,008.7	136.3	1,225.8	485.4	3,181.8	375.4	4,042.6
1962	471.0	4,356.8	519.6	5,347.4	1,319.6	7,041.6	952.9	9,314.1
1963	695.1	3,274.1	2,153.0	6,122.2	1,737.1	9,024.0	3,000.9	13,762.0
1964	1,309.2	5,268.5	1,833.9	8,411.6	2,875.1	13,548.9	4,601.0	21,025.0
1965	342.1	5,567.6	1,043.5	6,953.2	2,917.6	14,644.1	6,968.4	24,530.1
Coal Mining								
1960	734.4	16,160.5	1,612.1	18,507.0	9,565.7	46,194.0	9,651.8	65,411.5
1961	1,265.4	13,476.4	2,950.4	17,692.2	10,341.3	60,993.4	12,281.7	83,616.4
1962	971.7	12,727.7	4,722.6	18,422.0	10,514.2	62,653.4	13,595.1	86,762.6
1963	1,055.7	10,224.9	3,884.3	15,164.9	10,404.9	61,036.8	14,100.0	85,541.6
1964	1,404.2	10,077.6	2,083.1	13,564.9	10,547.8	57,753.2	15,473.1	83,774.1
1965	1,127.7	18,576.0	1,936.2	21,639.9	9,925.2	60,195.9	16,096.4	86,217.5
Non-metallic Mining (Excluding Clays)								
1960	26.9	236.9	8.2	272.0	590.9	1,702.7	215.8	2,509.4
1961	82.0	866.6	11.9	960.5	434.0	2,200.6	214.3	2,848.9
1962	27.6	151.7	54.2	233.4	451.9	1,991.4	291.3	2,734.5
1963	39.7	365.5	8.2	413.5	458.8	1,992.2	217.1	2,668.1
1964	41.1	185.8	13.8	240.7	464.1	1,790.9	219.4	2,474.4
1965	19.5	295.6	12.9	328.0	458.6	1,615.0	221.2	2,294.8
Total *								
1960	976.5	18,009.3	2,382.0	21,367.8	14,000.6	60,421.7	35,431.5	109,853.8
1961	1,533.6	16,619.2	3,786.2	21,939.1	14,356.9	75,507.7	38,777.3	128,641.9
1962	1,527.7	18,611.6	5,705.8	25,845.1	15,188.9	80,821.0	41,150.0	137,160.0
1963	1,910.5	14,865.5	6,045.9	22,821.9	15,318.9	80,819.2	43,498.0	139,636.1
1964	3,060.7	17,093.4	3,937.0	24,091.2	16,709.7	81,980.4	46,253.7	144,943.7
1965	2,189.4	26,909.2	3,031.7	32,130.3	16,578.9	86,159.1	49,119.4	151,857.4

\* Excludes clay pits and quarries winning construction materials, for which these particulars are not available.  
† Depreciated book values. Figures for 1961 were affected by a substantial revaluation of assets at certain coal mines.

No. 4. Persons Employed in Mines\*, 1960 to 1965

Year	Persons Employed on Last Full Working Day								Average Number of Persons Employed †
	Working Proprietors	Salaried Staff		Wage Earners		Total Employed			
		Above Ground	Below Ground	Above Ground	Below Ground	Males	Females	Persons	
Silver-Lead-Zinc Mining									
1960	17	739	379	1,549	2,658	5,223	119	5,342	5,357
1961	8	731	379	1,569	2,434	5,018	103	5,121	5,186
1962	4	659	318	1,299	2,199	4,389	90	4,479	4,826
1963	5	686	315	1,230	2,119	4,234	121	4,355	4,350
1964	11	720	340	1,273	2,212	4,424	132	4,556	4,391
1965	13	764	332	1,407	2,296	4,659	153	4,812	4,630
Other Metallic Mining									
1960	75	91	2	659	26	836	17	853	1,040
1961	88	87	1	769	43	967	21	988	1,081
1962	66	123	6	1,010	77	1,234	48	1,282	1,322
1963	70	149	12	1,185	68	1,443	41	1,484	1,510
1964	144	186	14	1,405	73	1,774	48	1,822	1,713
1965	114	190	16	1,566	91	1,911	66	1,977	1,893
Coal Mining									
1960	34	559	207	3,791	8,315	12,836	70	12,906	13,279
1961	25	521	178	3,491	7,664	11,810	69	11,879	12,512
1962	25	568	179	3,428	7,472	11,596	76	11,672	11,998
1963	27	532	176	3,253	7,457	11,366	79	11,445	11,534
1964	18	469	183	3,263	7,371	11,235	69	11,304	11,367
1965	10	476	146	3,136	8,112	11,811	69	11,880	11,678
Non-metallic Mining (Excluding Clays)									
1960	49	31	...	533	5	617	1	618	664
1961	78	30	...	586	7	699	2	701	810
1962	122	33	...	572	7	733	1	734	813
1963	192	34	...	581	6	812	1	813	835
1964	195	36	...	560	5	792	4	796	819
1965	431	37	...	500	3	966	5	971	993
Total *									
1960	175	1,420	588	6,532	11,004	19,512	207	19,719	20,340
1961	199	1,369	558	6,415	10,148	18,494	195	18,689	19,589
1962	217	1,383	503	6,309	9,755	17,952	215	18,167	18,959
1963	294	1,401	503	6,249	9,650	17,855	242	18,097	18,229
1964	368	1,411	537	6,501	9,661	18,225	253	18,478	18,290
1965	568	1,467	494	6,609	10,502	19,347	293	19,640	19,194

\* Excludes clay pits and quarries winning construction materials, which in 1965, had an average employment of 388 and 2,122, respectively.  
† For coal mining, average during whole year; for other mining, average during period of operation. Includes working proprietors, but excludes fossickers.

### No. 5. Individual Mining and Quarrying Industries: Average Number of Persons Employed\*, 1956 to 1965

Persons employed include those engaged in actual mining and quarrying operations, and in crushing and ore dressing operations carried out in treatment works situated at or near the mine or quarry.

Industry	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
<b>Mining for Metallic Minerals</b>										
Antimony	28	28	36	32	10	10	10	12	18	17
Bauxite	3	3	2	2	2	2	2	3	4	5
Copper and Copper-Gold	66	80	63	44	71	92	112	196	219	251
Gold	122	131	136	31	78	87	71	59	60	29
Iron Oxide	3	3	8	16	17	15	16	14	14	20
Manganese	24	32	40	66	37	23	30	17	14	13
Mineral Sands	1,013	1,340	718	621	665	688	947	1,032	1,116	1,282
Silver-Lead-Zinc	6,803	6,717	6,234	5,607	5,357	5,186	4,826	4,350	4,391	4,630
Tin	147	109	152	171	156	161	133	175	268	270
Tungsten	10	4	...	2	2	2	...	...	...	...
Other Metallic Minerals	1	...	3	6	2	1	1	2	...	6
Total	8,220	8,447	7,392	6,598	6,397	6,267	6,148	5,860	6,104	6,523
<b>Mining for Fuel Minerals</b>										
Coal, Black	17,918	16,622	15,463	13,445	13,279	12,512	11,998	11,534	11,367	11,678
Total	17,918	16,622	15,463	13,445	13,279	12,512	11,998	11,534	11,367	11,678
<b>Mining for Non-metallic Minerals</b>										
Asbestos	31	34	43	51	38	39	38	40	46	37
Barite	7	4	5	1	2	2	3	4	4	3
Clays -										
Brick and Tile Clay and Shale	311	290	288	316	314	306	287	298	266	271
Other Clay and Shale	170	171	163	149	150	148	119	121	129	117
Diatomite	13	12	8	9	8	10	12	11	10	5
Dolomite	11	27	10	12	8	10	13	12	7	6
Felspar (including Cornish Stone)	22	23	19	16	12	17	14	19	22	17
Gypsum	36	36	37	33	28	31	33	31	31	28
Limestone (including Sea Shells)	343	331	351	328	337	374	361	371	365	367
Magnesite	107	126	101	79	90	121	102	100	50	45
Talcs (including Steatite, Chlorite, and Pyrophyllite)	6	8	8	11	14	13	15	17	17	14
Other Non-metallic Minerals	78	73	101	127	127	193	222	230	267	471
Total	1,135	1,135	1,134	1,132	1,128	1,264	1,219	1,254	1,214	1,381
<b>Quarrying for Construction Materials</b>										
Sand and River Gravel -										
River Deposits	497	441	426	503	624	575	607	578	601	623
Other Deposits	68	61	92	92						
Dimension Stone -										
Granite	12	14	37	47	200	244	202	243	203	189
Sandstone	115	135	134	143						
Other	20	25	30	20	823	936	967	1,023	1,115	1,310
Crushed and Broken Stone	533	569	565	683						
Total	1,245	1,245	1,284	1,488	1,647	1,755	1,776	1,844	1,919	2,122
<b>All Mining and Quarrying Industries</b>										
Total	28,518	27,449	25,273	22,663	22,451	21,798	21,141	20,492	20,604	21,704

\* For coal mining, average during whole year; for other mining, average during period of operation. Includes working proprietors, but excludes fossickers (estimated at 449 in 1965) and employees of Main Roads Department and Municipal and Shire Councils winning road materials (estimated at 883 in 1965).

No. 6. Individual Mining and Quarrying Industries: Value of Output, 1956 to 1965

Industry	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
	\$ thousand									
Mining for Metallic Minerals										
Antimony	68	120	176	164	38	40	25	27	147	21
Bauxite	10	6	2	7	6	4	9	13	19	19
Copper and Copper-Gold	44	24	30	49	30	37	53	60	179	1,156
Gold	500	538	204	15	38	24	14	11	22	6
Iron Oxide	32	26	24	34	73	103	100	80	84	172
Manganese	36	38	52	91	59	39	26	30	10	10
Mineral Sands	10,450	13,006	5,920	5,328	5,547	6,236	6,387	11,124	11,407	15,953
Silver-Lead-Zinc	68,208	53,640	38,186	41,893	43,858	35,413	35,110	54,487	87,990	98,061
Tin	460	346	380	302	385	341	422	509	1,945	3,535
Tungsten	12	2	...	...	...	...	...	...	...	...
Other Metallic Minerals	2	...	2	1	1	2	1	1	...	36
Total	79,822	67,746	44,975	47,885	50,035	42,239	42,147	66,342	101,803	118,967
Mining for Fuel Minerals										
Coal, Black	81,274	80,900	79,958	74,873	85,354	90,225	94,068*	90,838	97,252	112,103
Total	81,274	80,900	79,958	74,873	85,354	90,225	94,068*	90,838	97,252	112,103
Mining for Non-metallic Minerals										
Asbestos	114	132	138	133	213	173	191	206	218	136
Barite	4	26	20	...	...	...	2	12	9	7
Clays—										
Brick and Tile Clay and Shale	1,232	1,156	1,298	1,564	1,760	1,578	1,619	2,094	2,206	2,394
Other Clay and Shale	448	538	444	441	523	619	600	586	602	646
Diatomite	40	44	26	35	31	33	29	21	24	12
Dolomite	52	36	36	49	44	42	44	42	64	43
Felspar (including Cornish Stone)	98	78	58	58	57	71	67	87	94	86
Gypsum	342	388	342	411	402	398	275	256	253	298
Limestone (including Sea Shells)	1,802	1,980	2,264	1,907	2,084	2,592	2,540	2,832	3,048	3,297
Magnesite	486	660	566	507	519	762	550	467	282	257
Talcs (including Steatite, Chlorite, and Pyrophyllite)	10	14	12	15	19	28	26	23	29	22
Other Non-metallic Minerals	194	212	272	488	367	421	528	584	741	1,031
Total	4,822	5,264	5,476	5,608	6,019	6,717	6,470	7,210	7,570	8,229
Quarrying for Construction Materials										
Sand and River Gravel—										
River Deposits	2,444	3,086	2,838	3,020	4,868	3,888	4,149	5,766	7,596	8,024
Other Deposits	532	528	650	412						
Dimension Stone—										
Granite	16	14	66	81	648	917	771	1,065	1,137	886
Sandstone	350	490	456	512						
Other	40	62	52	50	12,750	12,726	12,822	14,130	17,940	19,463
Crushed and Broken Stone	8,470	8,820	8,800	10,161						
Total	11,852	13,000	12,862	14,236	18,265	17,531	17,742	20,961	26,674	28,372
All Mining and Quarrying Industries										
Total	177,770	166,910	143,272	142,603	159,674	156,713	160,427	185,351	233,299	267,672

\* Not strictly comparable with earlier years because of a revised method of valuation at certain mines (which increased values for 1962 by approximately \$4,000,000).



# No. 7. Minerals Produced: Quantity, Value, and Contents, 1960 to 1965

Quantities and values of minerals produced are recorded in the form (i.e., as ores, concentrates, etc.) in which the material leaves the mine or treatment works situated at or near the mine. Actual production is recorded except where, as indicated by footnote, sales are considered the more appropriate basis. The assayed gross contents, as shown in this table, are re-assembled in Table 8 to show the total estimated "mine production" of each metal or element contained in metallic minerals of all kinds.

Mineral	Unit of Quantity	Quantity						Value (\$)					
		1960	1961	1962	1963	1964	1965	1960	1961	1962	1963	1964	1965
Metallic Minerals													
Antimony Concentrates*	ton	250.0	187.7	99.3	114.5	413.8	54.8	37,284	40,012	24,890	26,768	147,184	20,526
Antimony Content	ton	151.0	116.3	65.7	74.3	273.2	34.9						
Antimony Ore*	ton	3.0	...	...	...	...	...	258	...	...	...	...	...
Antimony Content	ton	1.6	...	...	...	...	...						
Bauxite	ton	3,647	2,437	5,225	7,352	10,907	10,843	6,382	4,264	9,144	12,866	19,100	18,976
Alumina Content	ton	1,386	929	1,991	2,801	4,156	4,131						
Beryllium Ore*	ton	8.7	36.3	9.7	12.7	30.5	26.0	3,020	13,910	3,748	3,226	8,054	6,236
Beryllium Oxide Content	ton	1.2	4.9	1.3	1.6	3.9	3.3						
Copper Ore*	ton	80.2	222.0	32.1	...	3.0	61.5	1,426	1,996	726	...	434	2,386
Copper Content	ton	7.5	20.7	2.9	...	1.1	5.3						
Silver Content	oz. fine	7	582	61	...	60	184.6						
Gold Content	oz. fine	...	...	...	...	...	4.8						
Copper Concentrates	ton	4,228	4,526	642	...	1,027.6	83,240.0	458,804	618,208	63,430	...	132,560	1,081,484
Copper Content	ton	828.2	896.5	142.7	...	212.5	1,880.4						
Gold Content	oz. fine	3,066	2,556	302	...	...	...						
Silver Content	oz. fine	58,760	56,659	6,370	...	4,600	46,614						
Copper Precipitates*	ton	84.8	84.3	135.8	151.6	118.9	134.6	28,928	28,752	51,796	60,136	45,958	71,824
Copper Content	ton	62.6	57.2	107.0	117.5	91.3	107.4						
Gold Concentrates	ton	1.9*	0.6*	...	...	...	...	7,220	12,108	...	...	...	...
Gold Content	oz. fine	228	385	...	...	...	...						
Silver Content	oz. fine	150	98	...	...	...	...						
Gold: Other Forms†	oz.	1,164	586	488	394	838	170	30,418	12,320	13,748	11,216	21,840	5,548
Gold Content	oz. fine	939	368	432	321	649	144						
Silver Content	oz. fine	121	43	35	33	36	11						
Platinum Content	oz.	0.2	...	...	...	...	...						

\* Despatches from the mine (or sales), as distinct from production.

† Bullion, alluvial, retorted gold, etc. The value shown includes subsidy received under the (Commonwealth) Gold-mining Industry Assistance Act.

No. 7. Minerals Produced: Quantity, Value, and Contents, 1960 to 1965 (continued)

Mineral	Unit of Quantity	Quantity						Value (\$)					
		1960	1961	1962	1963	1964	1965	1960	1961	1962	1963	1964	1965
Metallic Minerals (continued)													
Ilmenite Concentrates*	ton	1,192	2,012	4,288	5,975	6,198	8,158	2,968	4,812	13,546	17,644	18,224	23,094
Titanium Dioxide Content	ton	537	905	1,930	2,689	2,789	3,671						
Iron Oxide—													
For Gas Purification	ton	1,589	565	634	1,182	293	273	18,412	6,798	6,644	10,764	3,594	3,868
For Cement Manufacture*	ton	10,748	17,922	17,160	11,813	13,482	19,655	52,606	90,692	85,854	60,806	65,744	137,548
For Coal Washing*	ton	386	1,260	1,715	1,825	2,869	5,019	1,982	5,914	7,718	8,212	14,344	30,114
Lead Concentrates	ton	310,408	277,910	384,535	429,944	384,536	384,973	30,630,572	25,881,670	28,200,604	41,637,112	61,090,912	68,861,646
Lead Content	ton	231,658	207,716	289,090	324,461	292,431	292,221						
Silver Content	oz. fine	8,002,023	7,050,980	9,643,454	11,058,747	10,262,744	10,200,376						
Gold Content	oz. fine	7,679	7,088	8,902	9,485	8,456	8,192						
Antimony Content	ton	631.6	563.0	808.3	932.7	843.0	909.3						
Cadmium Content	ton	67.8	54.7	71.7	87.8	73.8	69.4						
Copper Content	ton	2,133.6	2,044.7	3,094.8	3,319.5	2,947.0	2,776.1						
Sulphur Content	ton	46,715	42,667	57,848	64,695	57,777	57,732						
Zinc Content	ton	...	12,256	17,257	18,530	14,984	14,677						
Lead Concentrates from Slime Dumps*	ton	...	...	...	...	393	...	...	...	...	...	10,634	...
Lead Content	ton	...	...	...	...	37	...						
Silver Content	oz. fine	...	...	...	...	7,053	...						
Lead Concentrates from Mill Salvage*	ton	...	...	...	...	3	...	...	...	...	...	388	...
Lead Content	ton	...	...	...	...	1	...						
Silver Content	oz. fine	...	...	...	...	109	...						
Lead Slag*	ton	...	...	...	...	63	...	...	...	...	...	1,406	...
Lead Content	ton	...	...	...	...	7	...						
Silver Content	oz. fine	...	...	...	...	425	...						
Lithium	ton	14.7	24.4	28.3	20.4	...	...	706	950	1,080	860	...	...
Lithium Oxide Content	ton	1.0	1.9	2.3	1.4	...	...						
Manganese Ore*—													
Battery Grade	ton	838	883	583	624	237	...	37,890	39,056	26,420	30,064	6,172	...
Manganese Dioxide Content	ton	616	632	424	467	153	...						
Metallurgical Grade	ton	724	...	...	...	...	41	17,910	...	...	...	...	1,030
Manganese Content	ton	342	...	...	...	...	27						
Other Grades	ton	11	...	...	...	99	253	400	...	...	...	3,512	8,728
Manganese Dioxide Content	ton	7	...	...	...	72	181						

\* Despatches from the mine (or sales), as distinct from production.

No. 7. Minerals Produced: Quantity, Value, and Contents, 1960 to 1965 (continued)

Mineral	Unit of Quantity	Quantity						Value (\$)					
		1960	1961	1962	1963	1964	1965	1960	1961	1962	1963	1964	1965
Metallic Minerals (continued)													
Molybdenite Concentrates*	lb.	...	2,300	...	...	...	37,830	...	600	...	...	...	35,754
Molybdenum Sulphide Content	lb.	...	2,070	...	...	...	35,940	...	...	...	...	...	...
Bismuth Content	lb.	...	...	...	...	...	...	...	...	...	...	...	...
Monazite Concentrates*	ton	40	154	145	515	666	601	2,784	8,666	9,726	42,968	58,788	59,980
Monazite Content	ton	38	144	136	471	599	546	...	...	...	...	...	...
Platinum Concentrates*	oz.	7.0	3.0	3.0	6.0	...	...	362	170	170	280	...	...
Platinum Content	oz.	4.1	2.0	2.0	4.0	...	...	...	...	...	...	...	...
Palladium Content	oz.	...	...	...	...	...	...	...	...	...	...	...	...
Osmiridium Content	oz.	0.2	...	...	...	...	...	...	...	...	...	...	...
Gold Content	oz. fine	...	...	...	...	...	...	...	...	...	...	...	...
Pyrite Concentrates	ton	32,770	31,138	4,130	...	...	...	322,558	268,236	179,402†	...	...	...
Sulphur Content	ton	15,637	14,949	2,012	...	...	...	...	...	...	...	...	...
Pyrite in Tailings*	ton	...	...	...	...	3,280	458	...	...	...	...	3,280	572
Sulphur Content	ton	...	...	...	...	886	137	...	...	...	...	...	...
Rutile Concentrates	ton	54,002	66,607	80,171	135,149	131,549	161,828	3,944,318	4,050,198	4,293,456	8,241,072	8,521,774	11,065,246
Titanium Dioxide Content	ton	52,262	64,284	77,227	129,931	126,319	155,292	...	...	...	...	...	...
Silver Concentrates*	ton	...	...	...	...	150	...	...	...	...	...	6,600	...
Silver Content	oz. fine	...	...	...	...	16,500	...	...	...	...	...	...	...
Silver-Copper Concentrates*	ton	...	116	78	...	...	...	...	12,662	6,278	...	...	...
Silver Content	oz. fine	...	25,520	10,303	...	...	...	...	...	...	...	...	...
Copper Content	ton	...	9.3	3.7	...	...	...	...	...	...	...	...	...
Silver-Lead-Zinc Ore*	ton	253	245	328	1,573	10,009	8,258	6,618	6,342	7,274	29,162	198,600	214,232
Silver Content	oz. fine	6,527	4,465	6,560	27,131	132,875	61,383	...	...	...	...	...	...
Lead Content	ton	44	42	51	180	1,272	802	...	...	...	...	...	...
Zinc Content	ton	...	...	...	...	387	546	...	...	...	...	...	...
Copper Content†	ton	...	...	...	...	...	47.5	...	...	...	...	...	...
Tin Concentrates*	ton	307	238	293	352	1,036	2,325	384,664	341,072	422,468	509,078	1,945,470	3,535,482
Tin Content	ton	223	173	212	250	671	1,124	...	...	...	...	...	...

\* Despatches from the mine (or sales), as distinct from production.

† Includes bounty payments made in respect of the previous year's production.

No. 7. Minerals Produced: Quantity, Value, and Contents, 1960 to 1965 (continued)

Mineral	Unit of Quantity	Quantity						Value (\$)					
		1960	1961	1962	1963	1964	1965	1960	1961	1962	1963	1964	1965
Metallic Minerals (continued)													
Tungsten Concentrates*—Scheelite Concentrates	lb.	644	196	...	...	...	...	298	44	...	...	...	...
Tungstic Oxide Content	lb.	463	123	...	...	...	...	...	44	...	...	...	...
Wolfram Concentrates	lb.	...	175	...	...	...	...	...	...	...	...	...	...
Tungstic Oxide Content	lb.	...	109	...	...	...	...	...	...	...	...	...	...
Zinc Concentrates	ton	444,652	425,442	428,282	465,158	453,232	482,438	12,439,920	8,632,568	6,652,914	12,820,502	26,678,556	28,984,254
Zinc Content	ton	234,170	225,578	227,606	247,107	240,630	255,713						
Lead Content	ton	4,166	3,921	3,240	3,821	3,206	3,639						
Sulphur Content	ton	142,006	137,043	136,933	148,017	144,218	153,809						
Silver Content	oz. fine	330,301	309,610	262,396	338,947	310,410	327,231						
Cadmium Content	ton	825.6	789.9	848.3	946.9	899.0	925.5						
Copper Content	ton	540.1	481.8	395.7	425.9	378.0	394.9						
Gold Content	oz. fine	1,716	1,637	1,598	1,589	1,464	1,299						
Cobalt Content	ton	64.7	64.9	76.5	85.7	73.3	90.4						
Manganese Content	ton	5,207	4,107	5,646	6,746	6,156	6,173						
Zircon Concentrates	ton	66,328	100,085	91,298	119,586	118,294	156,763	1,203,862	1,793,020	1,692,772	2,270,404	2,217,900	3,988,756
Zircon Content	ton	65,764	98,421	89,947	117,520	117,044	155,255						
Zircon-Rutile Concentrates*	ton	50,310	62,961	72,567	93,640	97,204	100,106	392,418	370,412	377,348	551,996	590,008	815,706
Zircon Content	ton	17,610	22,801	32,267	41,668	35,817	35,615						
Titanium Dioxide Content	ton	17,105	21,278	21,196	28,608	31,555	33,532						
Total Value, Metallic Minerals	...	...	...	...	...	...	...	50,034,988	42,245,496	42,151,156	66,345,136	101,811,036	118,972,990
Fuel Minerals													
Coal, Black (Bituminous)	ton	17,736,994	19,020,805	19,030,418	18,940,206	20,699,056	24,129,996	85,353,902	90,224,786	94,067,658†	90,837,794	97,251,656	112,103,282
Total Value, Fuel Minerals	...	...	...	...	...	...	...	85,353,902	90,224,786	94,067,658†	90,837,794	97,251,656	112,103,282

\* Despatches from the mine (or sales), as distinct from production.

† Not strictly comparable with earlier years because of a revised method of valuation at certain mines (which increased values for 1962 by approximately \$4,000,000).

No. 7. Minerals Produced: Quantity, Value, and Contents, 1960 to 1965 (continued)

Mineral	Unit of Quantity	Quantity						Value (\$)					
		1960	1961	1962	1963	1964	1965	1960	1961	1962	1963	1964	1965
Non-metallic Minerals													
Asbestos, Chrysotile: Fibre	ton	852	694	770	834	1,034	643	210,724	172,232	190,510	205,956	217,960	135,632
Fines	ton	105	15	4	4	6	2	2,708	388	100	88	118	32
Barite	ton	60	60	435	1,540	1,299	876	222	216	1,580	11,586	9,092	6,572
Chlorite‡	ton	...	373	351	320	331	335	...	6,148	5,622	5,130	5,310	5,282
Clays –													
Kaolin and Ball Clay –													
For Refractories	ton	21,220	26,015	11,130	6,594	11,115	13,858	83,838	89,698	49,124	28,538	47,734	62,434
For Pottery	ton	11,465	5,987	3,795	5,736	6,584	7,520	35,604	27,908	20,822	29,058	38,338	38,086
For Other Purposes	ton	5,288	5,864	6,147	14,831	4,390	6,230	51,998	37,160	43,036	61,554	34,012	52,542
Other Pottery Clay and Shale	ton	1,297	575	...	...	3,063	265	1,736	548	...	...	20,860	1,444
Bentonitic Clay	ton	17	...	...	...	...	...	170	...	...	...	...	...
Brick Clay and Shale	ton	2,077,518	2,005,679	1,966,322	1,987,381	2,059,007	2,144,521	1,599,940	1,414,146	1,486,098	1,934,644	2,003,516	2,242,916
Cement Clay and Shale	ton	177,624	158,527	274,351	189,974	208,678	180,788	113,266	114,252	134,632	122,154	126,350	128,252
Fireclay	ton	88,872	113,055	120,753	104,578	102,298	94,177	136,638	220,774	231,706	283,924	261,016	257,210
Fuller's Earth	ton	90	151	272	70	45	89	900	1,510	2,182	600	450	900
Moulder's Clay	ton	223	162	176	142	101	185	1,498	2,436	3,080	2,486	1,706	3,126
Stoneware Clay	ton	75,353	107,614	101,187	94,849	123,626	105,659	83,300	119,340	125,442	113,000	147,158	140,520
Terra Cotta Clay –													
For Roofing Tiles	ton	121,576	144,555	101,513	78,698	111,963	88,956	160,610	157,136	113,772	96,000	125,164	107,524
For Other Purposes	ton	4,516	4,432	4,005	9,951	2,800	1,352	4,616	4,366	2,600	9,388	2,460	1,240
Diamonds, Industrial	carat	6	...	...	...	...	...	40	...	...	...	...	...
Diatomite	ton	3,941	4,331	4,318	2,837	3,261	1,639	30,760	33,482	28,654	20,984	24,150	12,192
Dolomite*	ton	3,357	4,796	4,919	4,481	5,545	4,345	33,580	42,440	43,540	39,270	56,840	42,864
Felspar (including Cornish Stone)	ton	5,325	5,378	5,925	6,690	6,136	5,822	54,018	57,182	61,942	81,778	84,140	78,072
Fluorspar	ton	...	...	...	15	...	...	...	...	...	180	...	...
Gems: Opal†	...	...	...	...	...	...	...	78,946	130,000	200,000	250,000	290,000	480,000
Sapphire	...	...	...	...	...	...	...	5,976	6,664	62,258	48,686	113,040	234,746
Rhodonite	...	...	...	...	...	...	...	3,204	1,500	1,478	3,348	1,872	19,902
Gypsum: Washed	ton	63,611	55,036	30,737	32,999	37,361	42,906	299,292	272,016	147,638	164,002	167,518	251,114
Unwashed	ton	31,903	42,214	41,065	29,248	27,223	15,465	103,010	126,370	127,052	92,220	85,894	46,678
Total, Gypsum	ton	95,514	97,250	71,802	62,247	64,584	58,371	402,302	398,386	274,690	256,222	253,412	297,792
Limestone*	ton	2,394,124	2,569,232	2,427,711	2,524,253	2,700,285	2,801,181	2,020,688	2,531,628	2,498,398	2,796,710	2,991,710	3,251,938
Loam, for Foundry Moulding	ton	16,206	19,306	16,259	16,174	14,227	15,580	23,954	29,740	23,852	23,712	20,792	24,160
Magnesite, Crude	ton	61,668	88,511	61,672	49,909	29,281	24,500	518,838	761,536	549,860	466,612	282,010	257,212

\* Excludes material used directly as a building or road material – see "Construction Materials" on page 15.

† Estimated.

‡ In 1960 and earlier years, Chlorite was included with Pyrophyllite.

No. 7. Minerals Produced: Quantity, Value, and Contents, 1960 to 1965 (continued)

Mineral	Unit of Quantity	Quantity						Value (\$)					
		1960	1961	1962	1963	1964	1965	1960	1961	1962	1963	1964	1965
Non-metallic Minerals (continued)													
Mineral Pigments –													
Red Ochre	ton	15	...	...	...	...	...	274	...	...	...	...	...
Yellow Ochre	ton	15	...	...	...	...	...	150	...	...	...	...	...
Pebbles, for Grinding	ton	85	79	116	32	12	...	890	750	1,064	284	106	...
Perlite	ton	...	...	100	...	...	...	...	...	200	...	...	...
Pyrophyllite †	ton	501	915	931	837	381	...	8,246	14,734	13,930	11,020	8,066	...
Quartz*	ton	1,444	1,113	1,779	2,624	2,175	3,505	12,312	9,352	12,144	18,948	16,604	29,144
Quartzite*–													
For Ferro Alloys	ton	15,225	10,792	10,852	10,547	6,384	941	37,632	21,584	39,690	44,478	25,450	2,534
For Silica Bricks	ton	37,639	46,230	27,936	20,621	25,371	29,080	150,502	182,498	112,778	97,774	167,026	167,458
For Other Purposes ‡	ton	130	59	45	29	100	44	888	228	194	124	360	168
Sand*: Foundry Sand	ton	3,768	5,328	10,858	32,570	73,290	76,109	13,452	7,188	14,950	34,510	63,932	57,808
Glass Sand	ton	99,301	83,503	101,949	86,505	113,404	102,649	101,114	78,018	103,276	88,194	113,308	91,254
Other Sand	ton	4,183	340	1,988	1,865	235	389	7,466	1,966	20,058	2,278	938	1,468
Sandstone*–													
Grinding Stones	ton	64	64	42	106	57	36	2,220	1,850	1,186	2,100	1,200	1,014
For Foundry Sand	ton	3,500	3,100	2,640	1,643	1,727	2,221	9,100	8,060	6,864	5,090	5,786	7,440
For Other Purposes	ton	193	292	494	1,200	1,104	680	804	1,166	2,104	4,850	4,444	2,720
Sea Shells	ton	5,973	6,367	4,260	3,999	4,918	3,652	74,464	60,682	41,804	38,374	63,198	45,420
Serpentine, for Refractories	ton	1,057	909	1,065	605	604	151	2,334	2,136	2,506	1,420	1,440	474
Siderite	ton	...	2	10	...	...	...	...	80	450	...	...	...
Shale Ash ‡	ton	...	70	37	50	36	53	...	468	252	296	240	372
Sillimanite	ton	...	254	1,278	1,738	1,098	1,004	...	3,530	19,170	29,732	19,418	17,590
Talc (including Steatite)	ton	1,136	825	720	864	1,366	1,683	10,364	6,754	6,318	7,188	15,680	16,326
Total Value, Non-metallic Minerals	ton	...	...	...	...	...	...	6,092,286	6,761,860	6,553,916	7,278,268	7,661,406	8,323,780

\* Excludes material used directly as a building or road material. – see "Construction Materials" on next page.

† In 1960 and earlier years, Chlorite was included with Pyrophyllite.

‡ In 1960 and earlier years, Shale Ash was included with Quartzite, for Other Purposes.

No. 7. Minerals Produced: Quantity, Value, and Contents, 1960 to 1965 (continued)

Mineral	Unit of Quantity	Quantity						Value (\$)					
		1960	1961	1962	1963	1964	1965	1960	1961	1962	1963	1964	1965
Construction Materials													
Crushed and Broken Stone —													
Basalt (incl. Dolerite)*	ton	2,701,033	33,103,100	3,287,433	3,166,845	3,398,348	5,866,848	4,411,450	5,336,838	5,368,092	5,893,360	6,728,510	10,319,824
Granite	ton	279,596	268,701	287,516	321,955	144,851	218,762	487,266	512,062	619,952	540,648	316,642	493,642
Limestone	ton	20,852	42,337	92,645	91,419	108,641	57,892	82,648	87,408	144,412	127,878	172,506	91,664
Marble	ton	148	2,871	2,774	572	125	...	3,178	12,886	15,782	5,556	874	...
Porphyry	ton	...	259,614	127,588	123,685	180,173	215,284	...	674,836	344,488	383,446	381,354	549,612
Quartzite	ton	16,445	35,203	28,420	29,605	32,464	14,433	58,454	107,688	78,850	63,562	87,646	34,132
Sandstone	ton	77,223	59,487	88,517	68,315	95,625	237,096	193,038	140,558	157,196	148,928	161,526	229,044
Unspecified	ton	2,125	22,641	32,652	6,471	9,331	84,000	6,270	14,738	27,448	16,052	30,042	136,800
Dimension Stone —													
Building and Monumental Stone —													
Rough —													
Basalt (incl. Dolerite)	ton	89,981	196,608	33,595	139,200	191,838	135,580	90,338	198,798	34,576	103,800	190,200	151,600
Granite	ton	5,021	1,281	771	1,655	765	1,588	19,864	10,626	13,530	26,104	2,008	13,006
Limestone	ton	410	400	42	...	780	...	6,854	6,000	104	...	600	...
Marble	ton	6,432	161	56	...	63	2,650	38,060	402	140	...	442	97,584
Quartzite	ton	120	610	268	353	570	497	720	1,640	220	290	1,790	814
Sandstone	ton	25,156	115,923	121,295	119,846	31,446	39,904	23,538	134,942	117,892	98,972	36,412	70,486
Unspecified	ton	188	290	666	70,950	111,185	176	300	440	1,000	139,880	221,500	4,120
Dressed —													
Basalt	ton	12	18	11	...	...	...	1,302	1,656	1,290	...	...	...
Granite	ton	...	...	117	14	10	8	...	...	5,400	1,630	1,140	1,012
Marble	ton	328	642	1,067	1,200	1,258	374	16,000	83,124	108,770	154,000	124,432	14,960
Sandstone	ton	26,286	31,812	35,366	32,984	38,082	33,519	394,812	418,226	436,966	478,034	499,978	446,824
Unspecified	ton	...	...	...	25	17	10	...	...	...	1,300	480	320
Curbing and Flagging —													
Quartzite	ton	201	...	...	...	32	...	1,810	...	...	...	640	...
Sandstone	ton	3,166	6,166	4,137	4,927	4,535	7,831	65,522	63,294	56,414	61,294	56,252	84,372
River Gravel and Gravel Boulders	ton	1,770,063	1,449,680	1,491,879	1,853,105	2,013,324	2,255,973	3,073,156	2,283,820	2,344,744	3,088,356	3,538,694	3,757,004
Sand	ton	2,144,938	2,974,792	2,957,097	3,670,468	5,126,509	4,965,110	2,212,312	1,951,198	1,988,596	2,606,314	3,959,614	4,166,928
Other Road Material †	ton	15,055,115	14,798,194	15,491,250	18,232,424	20,240,081	18,628,145	7,005,496	5,439,238	5,788,598	6,950,452	10,061,164	7,607,984
Total Value, Construction Materials	...	...	...	...	...	...	...	18,192,388	17,480,418	17,654,460	20,889,856	26,574,446	28,271,732
All Mining and Quarrying													
Total Value of Output	...	...	...	...	...	...	...	159,673,564	156,712,560	160,427,190	185,351,054	233,298,544	267,671,784

\* From 1965, includes material for prepared road base (previously included in "Other Road Material").

† See note\*

## No. 8. Contents of Metallic Minerals Produced, 1956 to 1965

The contents of metallic minerals produced in N.S.W., as set out in Table 7, are re-assembled below to show the "mine production" of each metal or element for which the ores, concentrates, etc., are to be further treated. These totals represent gross contents, as determined by assay, and make no allowance for losses in smelting and refining. The quantities shown are therefore, in general, greater than those actually recoverable. The dissection between contents "Available for Recovery in Australia" and "Destined for Export in Ores, etc." is based on preliminary advices received from producers or ore buyers.

Mineral in which Contained	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965		
	Total	Total	Total	Total	Total	Total	Total	Total	Total	Available for Recovery in Australia	Destined for Export in Ores, etc.	Total
Antimony (tons)												
Antimony Concentrates	222.4	446.4	661.0	625.7	151.0	116.3	65.7	74.3	273.2	...	34.9	34.9
Antimony Ore	41.0	37.9	29.9	1.2	1.6	...	...	...	...	...	...	...
Lead Concentrates	615.7	724.2	664.4	651.9	631.6	563.0	808.3	932.7	843.0	704.6	204.7	909.3
Total Antimony	879.1	1,208.5	1,355.3	1,278.8	784.2	679.3	874.0	1,007.0	1,116.2	704.6	239.6	944.2
Cadmium (tons)												
Lead Concentrates	69.4	76.2	73.9	72.2	67.8	54.7	71.7	87.8	73.8	56.2	13.2	69.4
Zinc Concentrates	792.4	848.2	738.4	729.0	825.6	789.9	848.3	946.9	899.0	646.9	278.6	925.5
Total Cadmium	861.8	924.4	812.3	801.2	893.4	844.6	920.0	1,034.7	972.8	703.1	291.8	994.9
Cobalt (tons)												
Zinc Concentrates	59.2	68.1	70.4	60.1	64.7	64.9	76.5	85.7	73.3	40.3	50.1	90.4
Total Cobalt	59.2	68.1	70.4	60.1	64.7	64.9	76.5	85.7	73.3	40.3	50.1	90.4



No. 8. Contents of Metallic Minerals Produced, 1956 to 1965 (continued)

Mineral in which Contained	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965		
	Total	Total	Total	Total	Total	Total	Total	Total	Total	Available for Recovery in Australia	Destined for Export in Ores, etc.	Total
Copper (tons)												
Copper Ore	19.4	1.3	1.6	4.4	7.5	20.7	2.9	...	1.1	5.3	...	5.3
Copper Concentrates	993.3	920.9	985.9	877.0	828.2	896.5	142.7	...	212.5	1,880.4	...	1,880.4
Copper Matte	...	...	...	...	...	...	...	...	...	...	...	...
Copper Precipitates	43.2	41.0	65.9	83.1	62.6	57.2	107.0	117.5	91.3	107.4	...	107.4
Gold Concentrates	0.4	0.4	0.4	...	...	...	...	...	...	...	...	...
Lead Concentrates	2,692.6	2,869.8	2,507.3	2,323.2	2,133.6	2,044.7	3,094.8	3,319.5	2,947.0	45.6	2,730.5	2,776.1
Silver-Lead-Zinc Ore	...	...	...	...	...	...	...	...	...	47.5	...	47.5
Silver-Copper Concentrates	...	...	...	...	...	9.3	3.7	...	...	...	...	...
Zinc Concentrates	539.7	548.4	462.3	440.4	540.1	481.8	395.7	425.9	378.0	271.8	123.1	394.9
Total Copper	4,288.6	4,381.8	4,023.4	3,728.1	3,572.0	3,510.2	3,746.8	3,862.9	3,629.9	2,358.0	2,853.6	5,211.6
Gold (oz. fine)												
Copper Ore	1	1	...	...	...	...	...	...	...	5	...	5
Copper Concentrates	3,000	3,178	3,197	2,699	3,066	2,556	302	...	...	...	...	...
Gold Ore	...	36	...	...	...	...	...	...	...	...	...	...
Gold Concentrates	298	540	319	...	228	385	...	...	...	...	...	...
Gold: Other Forms	15,744	16,840	4,678	461	939	368	432	321	649	144	...	144
Lead Concentrates	8,497	8,872	8,571	8,396	7,679	7,088	8,902	9,485	8,456	6,274	1,918	8,192
Platinum Concentrates	...	1	...	...	...	...	...	...	...	...	...	...
Silver-Lead-Zinc Ore	...	...	15	...	...	...	...	...	...	...	...	...
Zinc Concentrates	1,281	1,575	1,929	1,719	1,716	1,637	1,598	1,589	1,464	1,137	162	1,299
Total Gold	28,821	31,043	18,709	13,275	13,628	12,034	11,234	11,395	10,569	7,560	2,080	9,640
Lead (tons)												
Lead Concentrates	229,991	259,656	241,521	242,323	231,658	207,716	289,090	324,461	292,431	221,806	70,415	292,221
Lead Concentrates— from Slime Dumps	1,017	508	...	...	...	...	...	...	37	...	...	...
from Mill Salvage	...	...	...	...	...	...	...	...	1	...	...	...
Lead Slag	4	...	...	...	...	...	...	...	7	...	...	...
Silver-Lead-Zinc Ore	2,119	1,374	729	33	44	42	51	180	1,272	539	263	802
Silver-Lead Slimes	221	87	...	...	...	...	...	...	...	...	...	...
Zinc Concentrates	4,967	5,303	4,646	4,093	4,166	3,921	3,240	3,821	3,206	2,614	1,025	3,639
Total Lead	238,319	266,928	246,896	246,449	235,868	211,679	292,381	328,462	296,954	224,959	71,703	296,662

No. 8. Contents of Metallic Minerals Produced, 1956 to 1965 (continued)

Mineral in which Contained	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965		
	Total	Total	Total	Total	Total	Total	Total	Total	Total	Available for Recovery in Australia	Destined for Export in Ores, etc.	Total
Molybdenum (lb. Molybdenum Sulphide)												
Molybdenite Concentrates	...	...	...	...	...	2,070	...	...	...	...	35,940	35,940
Total Molybdenum	...	...	...	...	...	2,070	...	...	...	...	35,940	35,940
Platinum (oz.)												
Gold: Other Forms Platinum Concentrates	... 18.2	... 17.3	... 21.6	...	0.2 4.1	... 2.0	... 2.0	... 4.0	...	...	...	...
Total Platinum	18.2	17.3	21.6	...	4.3	2.0	2.0	4.0	...	...	...	...
Silver (oz. fine)												
Copper Ore	1,364	25	...	10	7	582	61	...	60	185	...	185
Copper Concentrates	72,880	74,565	64,736	56,217	58,760	56,659	6,370	...	4,600	46,614	...	46,614
Gold Concentrates	219	356	336	...	150	98	...	...	...	...	...	...
Gold: Other Forms	386	577	256	47	121	43	35	33	36	11	...	11
Lead Concentrates	8,301,438	9,065,276	8,509,147	8,169,920	8,002,023	7,050,980	9,643,454	11,058,747	10,262,744	7,917,938	2,282,438	10,200,376
Lead Concentrates from Slime Dumps	72,705	40,954	...	...	...	...	...	...	7,053	...	...	...
From Mill Salvage	...	...	...	...	...	...	...	...	109	...	...	...
Lead Slag	256	...	...	...	...	...	...	...	425	...	...	...
Silver Concentrates	...	...	...	...	...	...	...	...	16,500	...	...	...
Silver-Copper Concentrates	...	...	...	...	...	25,520	10,303	...	...	...	...	...
Silver-Lead-Zinc Ore	424,212	345,953	58,653	5,109	6,527	4,465	6,560	27,131	132,875	48,860	12,523	61,383
Silver-Lead Slimes	20,408	6,478	...	...	...	...	...	...	...	...	...	...
Zinc Concentrates	395,715	434,918	359,165	323,900	330,301	309,610	262,396	338,947	310,410	251,384	75,847	327,231
Total Silver	9,289,538	9,969,102	8,992,293	8,555,203	8,397,889	7,447,957	9,929,179	11,424,858	10,734,812	8,264,992	2,370,808	10,635,800
Sulphur (tons)												
Lead Concentrates	47,032	52,595	49,559	48,042	46,715	42,667	57,848	64,695	57,777	44,764	12,968	57,732
Pyrite Concentrates	540	7,117	17,715	16,577	15,637	14,949	2,012	...	...	...	...	...
Pyrite in Tailings	...	...	...	...	...	...	...	...	886	137	...	137
Zinc Concentrates	139,515	147,892	130,462	124,273	142,006	137,043	136,933	148,017	144,218	106,217	47,592	153,809
Total Sulphur	187,087	207,604	197,736	188,892	204,358	194,659	196,793	212,712	202,881	151,118	60,560	211,678

No. 8. Contents of Metallic Minerals Produced, 1956 to 1965 (continued)

Mineral in which Contained	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965		
	Total	Total	Total	Total	Total	Total	Total	Total	Total	Available for Recovery in Australia	Destined for Export in Ores, etc.	Total
Tin (tons)												
Tin Concentrates	269	211	239	174	223	173	212	250	671	1,124	...	1,124
Total Tin	269	211	239	174	223	173	212	250	671	1,124	...	1,124
Titanium (tons Titanium Dioxide)												
Ilmenite Concentrates	420†	485	59	111	537	905	1,930	2,689	2,789	*	*	3,671
Rutile Concentrates	62,470	83,363	44,915	44,792	52,262	64,284	77,227	129,931	126,319	*	*	155,292
Zircon-Rutile Concentrates	7,407	13,311	11,609	16,132	17,105	21,278	21,196	28,608	31,555	*	*	33,532
Total Rutile	70,297	97,159	56,583	61,035	69,904	86,467	100,353	161,228	160,663	*	*	192,495
Tungsten (lb. Tungstic Oxide)												
Scheelite Concentrates	3,890	2,690	2,504	1,007	463	123	...	...	...	...	...	...
Wolfram Concentrates	5,787	585	...	...	...	109	...	...	...	...	...	...
Wolfram-Scheelite Concentrates	205	113	...	...	...	...	...	...	...	...	...	...
Total Tungsten	9,882	3,388	2,504	1,007	463	232	...	...	...	...	...	...
Zinc (tons)												
Lead Concentrates	...	...	...	...	...	12,256	17,257	18,530	14,984	11,634	3,043	14,677
Silver-Lead-Zinc Ore	...	...	...	...	...	...	...	...	387	96	450	546
Zinc Concentrates	229,126	241,509	211,667	202,675	234,170	225,578	227,606	247,107	240,630	176,926	78,787	255,713
Total Zinc	229,126	241,509	211,667	202,675	234,170	237,834	244,863	265,637	256,001	188,656	82,280	270,936
Zircon (tons)												
Zircon Concentrates	50,135	58,747	32,230	71,156	65,764	98,421	89,947	117,520	117,044	*	*	155,255
Zircon-Rutile Concentrates	7,855	14,136	11,949	16,607	17,610	22,801	32,267	41,668	35,817	*	*	35,615
Total Zircon	57,990	72,883	44,179	87,763	83,374	121,222	122,214	159,188	152,861	*	*	190,870

\* Not available—mainly "Destined for Export".

† Estimated.

No. 9. Mine Production\* of Principal Metals and Sulphur, 1955 to 1965

Year	Antimony	Cadmium	Cobalt	Copper	Gold	Lead
	Tons	Tons	Tons	Tons	Oz. fine	Tons
1955	850.3	795.0	60.7	3,492.1	30,067	234,854
1956	879.1	861.8	59.2	4,288.6	28,821	238,319
1957	1,208.5	924.4	68.1	4,381.8	31,043	266,928
1958	1,355.3	812.3	70.4	4,023.4	18,709	246,896
1959	1,278.8	801.2	60.1	3,728.1	13,275	246,449
1960	784.2	893.4	64.7	3,572.0	13,628	235,868
1961	679.3	844.6	64.9	3,510.2	12,034	211,679
1962	874.0	920.0	76.5	3,746.8	11,234	292,381
1963	1,007.0	1,034.7	85.7	3,862.9	11,395	328,462
1964	1,116.2	972.8	73.3	3,629.9	10,569	296,954
1965	944.2	994.9	90.4	5,211.6	9,640	296,662

Year	Silver	Sulphur	Tin	Titanium †	Tungsten	Zinc
	Oz. fine	Tons	Tons	Tons TiO <sub>2</sub>	lb. WO <sub>3</sub>	Tons
1955	8,823,211	186,680	270	37,342	16,930	211,478
1956	9,289,583	187,087	269	70,297	9,882	229,126
1957	9,969,102	207,604	211	97,159	3,388	241,509
1958	8,992,293	197,736	239	56,583	2,504	211,667
1959	8,555,203	198,892	174	61,035	1,007	202,675
1960	8,397,889	204,358	223	69,904	463	234,170
1961	7,447,957	194,659	173	86,467	232	237,834
1962	9,929,179	196,793	212	100,353	...	244,863
1963	11,424,585	212,712	250	161,228	...	265,637
1964	10,734,812	202,881	671	160,663	...	256,001
1965	10,635,800	211,678	1,124	192,495	...	270,936

\* These are gross contents of metallic minerals produced, as determined by assay, and make no allowance for losses in smelting and refining. The quantities shown are therefore, in general, greater than those actually recoverable.  
† Titanium dioxide content of rutile, ilmenite, and zircon-rutile concentrates.

No. 10. London Metal Prices\*, 1939 to 1965

Year	Copper (Electrolytic)	Silver	Lead	Zinc (Virgin)	Tin
	£ s. d. per ton	s. d. per oz. fine	£. s. d. per ton		
1939	49 16 10	1 10.02	15 13 2	14 13 3	226 5 8
1955	351 8 4	6 5.51	105 17 8	90 13 10	740 4 8
1956	328 18 6	6 7.13	116 6 7	97 15 4	787 13 5
1957	219 9 10	6 6.93	96 13 4	81 12 4	754 16 10
1958	197 7 8	6 4.21	72 16 1	65 18 1	735 0 8
1959	237 15 2	6 6.82	70 15 9	82 2 6	785 4 2
1960	245 19 2	6 7.38	72 2 11	89 6 4	796 12 8
1961	229 11 5	6 8.25	64 4 2	77 15 1	887 18 11
1962	233 19 8	7 7.56	56 6 5	67 9 3	896 12 8
1963	234 2 10	9 2.13	63 8 7	76 15 4	909 17 4
1964	351 1 4	9 3.92	101 0 9	117 17 9	1,236 18 3
1965	468 1 4	9 3.58	115 2 7	112 19 5	1,411 18 1

\* Spot prices, average of buyers' and sellers' quotes. The prices are annual averages, quoted in sterling.

No. 11. Prices of Metals in Australia\*, 1939 to 1965

Year	Copper (Electrolytic)	Lead	Zinc (Electrolytic)	Tin
	\$ per ton			
1939	127.75	41.75	40.25	598.00
1955	872.33	254.58	228.64	1,902.72
1956	872.88	279.20	245.01	2,039.95
1957	681.82	232.57	206.92	1,983.33
1958	616.95	173.62	181.56	1,990.45
1959	624.66	200.00	210.89	2,116.12
1960	649.08	200.00	226.31	2,083.92
1961	613.23	198.68	204.18	2,335.75
1962	610.00	164.38	212.25	2,328.90
1963	610.00	169.18	218.28	2,358.50
1964	656.13	239.08	302.42	3,190.12
1965	734.06	281.30	300.00	3,629.82

\* Annual average home consumption selling prices. The bases are - copper; ex-works, Port Kembla; lead; f.o.b. Port Pirie; zinc; f.o.b. Risdon until June, 1962, and c.i.f. Sydney from July, 1962 (average for 1962 is on the basis of c.i.f. Sydney); tin; delivered, Sydney (ex-works, Sydney, before 1954). Price controls, imposed on these metals in December, 1939, were removed from lead, zinc, and tin in April, 1953, and from copper in October, 1954.  
The official price of gold has been \$31.25 per ounce fine since May, 1954.

† At 31st December.

No. 12. Coal Produced, 1955 to 1965

Year	Underground Mines				Open Cut Mines				Total, All Mines			
	Northern District	Southern District	Western District	Total, N.S.W.	Northern District	Southern District	Western District	Total, N.S.W.	Northern District	Southern District	Western District	Total, N.S.W.
	Thousand tons											
1955	8,484	3,595	1,756	13,835	806	...	95	901	9,290	3,595	1,851	14,736
1956	8,360	3,982	1,658	14,000	810	...	...	810	9,170	3,982	1,658	14,810
1957	8,480	4,556	1,626	14,662	728	...	...	728	9,208	4,556	1,626	15,390
1958	8,864	4,693	1,574	15,131	720	...	...	720	9,584	4,693	1,574	15,851
1959	8,904	4,812	1,562	15,278	434	...	...	434	9,338	4,812	1,562	15,712
1960	9,669	5,735	1,578	16,982	755	...	...	755	10,424	5,735	1,578	17,737
1961	9,545	7,058	1,586	18,189	832	...	...	832	10,377	7,058	1,586	19,021
1962	9,224	7,454	1,518	18,196	834	...	...	834	10,058	7,454	1,518	19,030
1963	8,882	7,817	1,639	18,338	602	...	...	602	9,484	7,817	1,639	18,940
1964	9,994	8,395	1,594	19,983	716	...	...	716	10,710	8,395	1,594	20,699
1965	11,872	9,676	1,687	23,235	895	...	...	895	12,767	9,676	1,687	24,130

No. 13. Underground Coal Mines: Coal Mechanically Cut and Loaded, 1955 to 1965

Year	Coal Mechanically Cut				Coal Mechanically Loaded			
	Northern District	Southern District	Western District	All Districts	Northern District	Southern District	Western District	All Districts
	Proportion per cent. of Total Production							
1955	57.4	81.0	57.2	63.5	61.4	80.2	64.3	66.7
1956	58.6	81.4	65.5	66.0	65.7	81.1	73.1	70.9
1957	67.4	83.8	74.4	73.3	72.6	84.6	81.8	77.3
1958	75.5	83.4	88.3	79.3	78.6	83.9	91.8	81.6
1959	86.4	88.5	89.5	87.4	87.8	88.3	90.4	88.2
1960	87.6	91.0	89.7	88.9	93.2	91.5	90.2	92.4
1961	90.0	94.1	92.5	91.8	95.5	95.4	93.1	95.2
1962	92.0	95.0	94.8	93.5	96.4	96.1	98.7	96.5
1963	91.7	95.8	95.1	93.8	97.1	96.4	98.5	96.9
1964	93.4	96.1	96.1	94.8	98.1	96.5	97.4	97.4
1965	93.8	96.5	96.6	95.0	97.9	96.8	96.7	97.4

No. 14. Manshifts Worked and Lost in Coal Mines, 1955 to 1965

Year	Manshifts Worked				Manshifts Lost				Manshifts Possible			
	Northern District	Southern District	Western District	All Districts	Northern District	Southern District	Western District	All Districts	Northern District	Southern District	Western District	All Districts
	Thousand Manshifts											
Underground Mines												
1955	2,760	891	431	4,082	501	142	61	704	3,261	1,033	492	4,786
1956	2,615	958	371	3,944	380	161	46	587	2,995	1,119	417	4,531
1957	2,362	991	322	3,675	346	166	37	549	2,708	1,157	359	4,224
1958	2,184	1,013	284	3,481	275	149	25	449	2,459	1,162	309	3,930
1959	1,870	983	263	3,116	181	139	24	344	2,051	1,122	287	3,460
1960	1,849	1,048	254	3,151	181	144	21	346	2,030	1,192	275	3,497
1961	1,571	1,108	238	2,917	114	132	20	266	1,685	1,240	258	3,183
1962	1,465	1,087	216	2,768	108	127	18	253	1,573	1,214	234	3,021
1963	1,323	1,081	202	2,606	90	115	16	221	1,413	1,196	218	2,827
1964	1,328	1,124	179	2,631	80	128	13	221	1,408	1,252	192	2,852
1965	1,387	1,213	159	2,759	86	144	10	240	1,473	1,357	169	2,999
Open Cut Mines												
1955	88	...	10	98	10	...	...	10	98	...	10	108
1956	78	...	...	78	5	...	...	5	83	...	...	83
1957	65	...	...	65	4	...	...	4	69	...	...	69
1958	70	...	...	70	3	...	...	3	73	...	...	73
1959	35	...	...	35	2	...	...	2	37	...	...	37
1960	34	...	...	34	1	...	...	1	35	...	...	35
1961	37	...	...	37	1	...	...	1	38	...	...	38
1962	37	...	...	37	2	...	...	2	39	...	...	39
1963	32	...	...	32	1	...	...	1	33	...	...	33
1964	33	...	...	33	1	...	...	1	34	...	...	34
1965	44	...	...	44	1	...	...	1	45	...	...	45

No. 15. Coal Produced per Manshift Worked, 1955 to 1965

The following statistics were compiled by the Joint Coal Board. They exclude mines in course of development prior to commencement of coal production.

Year	Underground Mines								Open Cut Mines			
	Production per Manshift worked at Coal Face				Production per Manshift worked by All Persons Employed				Production per Manshift worked by All Persons Employed			
	Northern District	Southern District	Western District	All Districts	Northern District	Southern District	Western District	All Districts	Northern District	Southern District	Western District	All Districts
	Tons											
1955	9.59	14.63	11.27	10.76	3.07	4.03	4.08	3.39	9.14	...	9.50	9.18
1956	10.13	14.53	13.23	11.43	3.20	4.16	4.47	3.55	10.36	...	...	10.36
1957	11.89	15.64	15.17	13.19	3.59	4.60	5.05	3.99	11.11	...	...	11.11
1958	13.51	15.74	17.40	14.48	4.06	4.63	5.55	4.35	11.31	...	...	11.31
1959	18.02	18.04	18.47	18.07	4.76	4.89	5.95	4.90	12.47	...	...	12.47
1960	20.12	21.67	20.32	20.64	5.23	5.47	6.20	5.39	22.15	...	...	22.15
1961	25.17	24.41	22.44	24.61	6.07	6.37	6.65	6.23	22.29	...	...	22.29
1962	26.27	26.18	22.98	25.92	6.29	6.86	7.03	6.57	22.42	...	...	22.42
1963	27.52	27.27	25.93	27.26	6.71	7.23	8.11	7.04	18.86	...	...	18.86
1964	31.82	28.14	32.03	30.18	7.53	7.47	8.89	7.60	21.48	...	...	21.48
1965	35.68	29.91	37.35	33.12	8.56	7.98	10.60	8.42	20.54	...	...	20.54

No. 16. Coal Mining: Persons Employed, 1955 to 1965

Underground and Open Cut Mines

Year	Number Employed at End of Year				Average Number Employed during Whole Year			
	Northern District	Southern District	Western District	Total, N.S.W.	Northern District	Southern District	Western District	Total, N.S.W.
1955	12,692	4,121	1,685	18,498	13,197	4,115	1,948	19,260
1956	11,740	4,363	1,610	17,713	11,985	4,305	1,628	17,918
1957	10,328	4,465	1,223	16,016	10,830	4,411	1,381	16,622
1958	8,835	4,359	1,155	14,349	9,826	4,453	1,184	15,463
1959	7,976	4,218	1,071	13,265	8,037	4,311	1,097	13,445
1960	7,399	4,465	1,042	12,906	7,812	4,414	1,053	13,279
1961	6,233	4,661	985	11,879	6,791	4,696	1,025	12,512
1962	6,043	4,709	920	11,672	6,373	4,680	945	11,998
1963	5,809	4,801	835	11,445	5,880	4,768	886	11,534
1964	5,707	4,948	649	11,304	5,738	4,876	753	11,367
1965	5,987	5,299	594	11,880	5,870	5,157	651	11,678

No. 17. Coal Mining: Classification of Persons Employed, 1961 to 1965

Particulars	Number Employed at End of Year					Average Number Employed during Whole Year				
	1961	1962	1963	1964	1965	1961	1962	1963	1964	1965
Underground Mines										
Northern District – Below Ground	3,536	3,434	3,337	3,389	3,640	3,864	3,636	3,371	3,358	3,539
Above Ground	2,529	2,472	2,341	2,172	2,172	2,775	2,581	2,373	2,246	2,173
Total	6,065	5,906	5,678	5,561	5,812	6,639	6,217	5,744	5,604	5,712
Southern District – Below Ground	3,231	3,267	3,339	3,450	3,769	3,267	3,237	3,314	3,397	3,656
Above Ground	1,430	1,442	1,462	1,498	1,530	1,429	1,443	1,454	1,479	1,501
Total	4,661	4,709	4,801	4,948	5,299	4,696	4,680	4,768	4,876	5,157
Western District – Below Ground	625	589	529	419	375	643	600	567	475	417
Above Ground	360	331	306	230	219	382	345	319	278	234
Total	985	920	835	649	594	1,025	945	886	753	651
Total, N.S.W. – Below Ground	7,392	7,290	7,205	7,258	7,784	7,774	7,473	7,252	7,230	7,612
Above Ground	4,319	4,245	4,109	3,900	3,921	4,586	4,369	4,146	4,003	3,908
Total	11,711	11,535	11,314	11,158	11,705	12,360	11,842	11,398	11,233	11,520
Open Cut Mines										
Northern District	168	137	131	146	175	152	156	136	134	158
Southern District	...	...	...	...	...	...	...	...	...	...
Western District	...	...	...	...	...	...	...	...	...	...
Total, N.S.W.	168	137	131	146	175	152	156	136	134	158
Underground and Open Cut Mines										
Northern District	6,233	6,043	5,809	5,707	5,987	6,791	6,373	5,880	5,738	5,870
Southern District	4,661	4,709	4,801	4,948	5,299	4,696	4,680	4,768	4,876	5,157
Western District	985	920	835	649	594	1,025	945	886	753	651
Total, N.S.W.	11,879	11,672	11,445	11,304	11,880	12,512	11,998	11,534	11,367	11,678

No. 18. Underground Coal Mines\* Classified according to Gross Output, 1965

Gross Output	Northern District			Southern District			Western District			New South Wales		
	No. of Mines *	Average Number of Persons Employed during Year †	Gross Output	No. of Mines *	Average Number of Persons Employed during Year †	Gross Output	No. of Mines *	Average Number of Persons Employed during Year †	Gross Output	No. of Mines *	Average Number of Persons Employed during Year †	Gross Output
Tons			Thous. tons			Thous. tons			Thous. tons			Thous. tons
1 to 10,000	5	22	22	2	10	7	1	7	6	8	39	35
10,001 to 50,000	11	201	287	5	57	95	3	30	75	19	288	457
50,001 to 100,000	2	115	116	1	198	163	4	100	244	7	413	523
100,001 to 200,000	8	642	1,022	2	280	331	3	101	356	13	1,023	1,709
200,001 to 400,000	8	1,289	2,433	4	819	1,057	3	388	1,006	15	2,496	4,496
Over 400,000	14	3,362	7,992	11	3,743	8,023	...	...	...	25	7,105	16,015
Total	48	5,631	11,872	25	5,107	9,676	14	626	1,687	87	11,364	23,235

\* Excludes non-producing developmental mines.

† Excludes persons employed in non-producing developmental mines and in central screening and washing plants at rail sidings (81 in Northern District, 50 in Southern District, and 25 in Western District).

No. 19. Production, Consumption, and Stocks of Coal in New South Wales, 1955 to 1965

Year	Total Production	Mine Washery Refuse, etc.	Exports*		Available for Consumption in N.S.W. †	Changes in Stocks Held in N.S.W.		Actual Consumption in N.S.W.	Stocks on Hand at end of Year
			Oversea Countries	Other Australian States		Held at Mines, in Transit, etc.	Held by Consumers		
Thousand tons									
1955	14,736	244	255	2,579	11,658	(-) 54	(+) 104	11,608	2,872
1956	14,810	237	303	2,240	12,030	(+) 167	(+) 19	11,844	3,058
1957	15,390	355	768	2,095	12,172	(+) 142	(+) 61	11,969	3,261
1958	15,851	614	811	1,996	12,430	(+) 423	(+) 13	11,994	3,697
1959	15,712	810	765	2,113	12,024	(-) 486	(-) 211	12,721	3,000
1960	17,737	1,009	1,554	1,868	13,306	(+) 75	(+) 108	13,123	3,183
1961	19,021	1,204	2,590	1,511	13,716	(+) 55	(+) 307	13,354	3,545
1962	19,030	1,322	2,738	1,360	13,610	(+) 524	(-) 241	13,327	3,828
1963	18,940	1,363	2,723	1,286	13,568	(-) 55	(+) 83	13,541	3,856
1964	20,699	1,557	3,655	1,266	14,221	(-) 356	(-) 30	14,606	3,470
1965	24,130	1,829	5,492	1,105	15,704	(+) 81	(+) 226	15,397	3,777

\* Cargo and bunker coal.

† Total production, less washery refuse discarded and coal exported.

No. 20. Consumption of Coal in N.S.W.: Principal Consumers, 1954-55 to 1964-65

Year ended 30th June	Factories								Government Railway Loco- motives	Total, Factories and Govern- ment Railways Loco- motives
	Electricity Generating Stations	Gas Works*	Steel Works and Coke Works*	Cement Works	Brick, Tile and Pottery Works	Glass and Glass Bottle Works	Other Factories	Total Factories		
	Thousand tons									
1955	3,406	986	3,568	321	317	67	971	9,636	1,501	11,137
1956	3,579	947	3,354	352	319	80	926	9,557	1,523	11,080
1957	3,787	919	3,778	343	299	134	832	10,092	1,373	11,465
1958	4,030	846	3,942	415	301	124	808	10,466	1,125	11,591
1959	4,135	829	3,986	380	321	134	827	10,612	1,009	11,621
1960	4,328	848	4,353	428	340	130	820	11,247	1,021	12,268
1961	4,369	845	5,055	440	348	135	789	11,981	980	12,961
1962	4,406	796	5,181	400	332	132	773	12,020	798	12,818
1963	4,600	727	5,303	416	333	112	780	12,271	705	12,976
1964	5,138	730	5,692	453	339	129	803	13,283	671	13,954
1965	5,213	734	6,279	554	342	92	805	14,019	636	14,655

\* Includes coal consumed as raw material.



No. 21. Exports of Coal from New South Wales, 1955 to 1965

Year	Interstate Exports						Oversea Exports							
	Cargo Coal				Bunker Coal	Total, Interstate	Cargo Coal						Bunker Coal	Total, Oversea
	Victoria	South Australia	Other States	Total			New Cal- edonia	Japan	Korea	Argen- tina	Other	Total		
	Thousand tons													
1955	1,244	992	134	2,370	209	2,579	168	9	7	...	29	213	42	255
1956	1,116	813	132	2,061	179	2,240	157	27	62	...	32	278	25	303
1957	943	883	97	1,923	172	2,095	182	451	85	...	38	756	12	768
1958	962	773	94	1,829	167	1,996	143	361	163	111	18	796	15	811
1959	1,046	822	73	1,941	172	2,113	145	493	22	84	19	763	2	765
1960	895	751	95	1,741	127	1,868	131	1,373	40	...	10	1,554	...	1,554
1961	817	516	77	1,410	101	1,511	72	2,387	37	...	94	2,590	...	2,590
1962	689	490	84	1,263	97	1,360	36	2,521	55	...	126	2,738	...	2,738
1963	652	447	70	1,169	117	1,286	106	2,482	69	...	66	2,723	...	2,723
1964	701	390	58	1,149	117	1,266	146	3,314	61	...	134	3,655	...	3,655
1965	602	355	54	1,011	94	1,105	239	5,092	33	...	128	5,492	...	5,492

No. 22. Average Value of Coal per ton at Pit-top\*, 1939 to 1965

Year	Northern District	Southern District	Western District	New South Wales	Year	Northern District	Southern District	Western District	New South Wales
	\$	\$	\$	\$		\$	\$	\$	\$
1939	1.25	1.44	1.07	1.27	1960	5.19	5.59	4.81	5.27
1955	5.99	5.88	5.58	5.92	1961	5.14	5.51	4.68	5.22
1956	5.92	5.81	5.51	5.85	1962	5.12	5.28	4.43	5.12
1957	5.82	5.56	5.06	5.68	1963	4.86	5.22	3.92	4.89
1958	5.61	5.50	4.74	5.48	1964	4.61	5.47	3.75	4.83
1959	5.24	5.43	4.75	5.26	1965	4.52	5.68	3.47	4.83

\* Based on value of saleable coal at pit-top (or at screens or mine washeries where these are situated at a distance from the mines). This excludes miners' coal, coal consumed at collieries, and refuse discarded at mine-washeries. Coal won by producer-consumers is also excluded, and only the actual sales from coal stocks held at grass by the Commonwealth Government have been taken to account.

No. 23. Mining Accidents, 1955 to 1965

Year	Number of Casualties										Rate per 1,000 Persons Employed			
	Persons Killed					Persons Injured*					Killed		Injured*	
	Coal and Shale Mining	Gold Mining	Silver-Lead-Zinc Mining	Other Mining and Quarrying	Total Killed	Coal and Shale Mining	Gold Mining	Silver-Lead-Zinc Mining	Other Mining and Quarrying	Total Injured	Coal and Shale Mining	Other Industries	Coal and Shale Mining	Other Industries
1955	22	...	4	4	30	87	4	277	29	397	1.14	0.78	4.50	30.20
1956	18	...	5	3	26	107	2	300	37	446	0.99	0.75	5.86	31.89
1957	13	...	8	1	22	68	...	273	56	397	0.77	0.83	4.01	30.22
1958	11	...	5	4	20	86	...	310	47	443	0.72	0.91	5.59	36.26
1959	9	...	6	5	20	73	...	315	51	439	0.67	1.22	5.44	39.71
1960	14	...	2	1	17	69	...	216	46	331	1.06	0.33	5.21	28.56
1961	8	...	3	3	14	67	...	266	51	384	0.64	0.65	5.34	34.13
1962	17	...	1	3	21	55	...	229	53	337	1.42	0.44	4.58	30.84
1963	5	...	1	4	10	59	...	228	50	337	0.43	0.56	5.12	31.03
1964	8	...	2	2	12	51	...	183	77	311	0.70	0.43	4.49	28.15
1965	16	...	1	3	20	77	...	148	87	312	1.37	0.40	6.59	23.44

\* For coal and shale mining, the figures relate to injuries caused by explosions or electricity and serious injuries from all other causes. For other industries, the figures relate to injuries causing incapacity for over 14 days.

No. 24. State Revenue from Mining, 1955-56 to 1965-66

Year ended 30th June	Royalty on Minerals				Royalty Repayments †	Net Royalty	Mining Leases	Other Receipts *	Net Receipts
	Coal	Silver, Lead, and Zinc	Gold and Other Minerals	Total Royalty					
	\$	\$	\$	\$	\$	\$	\$	\$	\$
1956	866,680	3,814,806	105,626	4,787,112	18,948	4,768,164	39,516	35,498	4,843,178
1957	893,710	4,316,624	201,814	5,412,148	50,230	5,361,918	49,234	65,028	5,476,180
1958	912,522	2,835,752	335,920	4,084,194	68,554	4,015,640	37,174	34,914	4,087,728
1959	918,314	352,146	226,124	1,496,584	76,270	1,420,314	41,152	24,824	1,486,290
1960	898,958	670,342	211,652	1,780,952	137,870	1,643,082	38,474	49,736	1,731,292
1961	1,067,022	1,294,940	191,198	2,553,160	39,256	2,513,904	44,638	82,520	2,641,062
1962	1,183,270	1,611,428	214,182	3,008,880	107,146	2,901,734	45,660	78,804	3,026,198
1963	1,223,356	271,308	263,806	1,758,470	124,830	1,633,640	36,858	73,314	1,743,812
1964	1,222,578	3,676,872	306,298	5,205,748	115,126	5,090,622	54,260	93,664	5,238,546
1965	1,295,230	18,417,806	344,570	20,057,606	110,834	19,946,772	63,224	109,206	20,119,202
1966	1,559,764	22,451,195	408,313	24,419,272	102,104	24,317,168	53,680	92,882	24,463,730

\* Includes fees for Miner's Rights and Business Licences.

† Royalty in regard to mining on private lands held without reservation of minerals to the Crown is collected by the Mines Department on behalf of the owner.